

Purchase Order Receipt Listing

Wednesday, April 15, 2015 7:51:56 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po28026 Receipt Dates from 4/15/2015 to 4/15/2015 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO28026 CAD	4		M304B0.500X2.500 f	f	4/15/2015	4/15/2015	12.0000	\$14.26	0.0000	0	\$171.12
	No		304 BAR .500 x 2.50 f	f	12.0000	DCUSER		\$171.12	0.0000	0	
			m132037								
	5		M304B0.625X3.000 f	f	4/15/2015	4/15/2015	12.0000	\$20.01	0.0000	0	\$240.13
	No		304 BAR .625 X 3.00 f	f	12.0000	DCUSER		\$240.13	0.0000	0	
			m132037								
	13		M6061T6S.040	sf	4/17/2015	4/15/2015	192.0000	\$1.63	0.0000	0	\$312.64
	No		6061-T6 .040 Sheet	sf	192.0000	DCUSER		\$312.64	0.0000	0	
			m132037								
	14		M6061T6S.080	sf	4/17/2015	4/15/2015	96.0000	\$3.26	0.0000	0	\$312.64
	No		6061-T6 .080 Sheet	sf	144.0000	DCUSER		\$312.64	0.0000	0	
			m132037								
	18		71401-45		4/15/2015	4/15/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	DCUSER		\$0.00	0.0000	0	
			QUALITY CLAUSES								
			m132037								

Total Received Quantity: 313.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$1,036.53
 Total Balance Due Quantity: 48.0000

B I L L O F L A D I N G

No: PEC 928929

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 13Apr15 at 14:32 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-790750- 1 Your PO # 28026
 Part # AMS 5639 Rel #

STAINLESS STEEL FLAT BAR 304L SLIT/EDGED
 .50" X 2.50" X 144.0000"

Heat Number Tag No
 265275 401425

Quantity PCS Wt LBS
 12 FT 1 55

MTR

2) Our Order PEC-790750- 2 Your PO # 28026
 Part # AMS 5639 Rel #

STAINLESS STEEL FLAT BAR 304-L HRAP
 .625" X 3.00" X 144.0000"

Heat Number Tag No
 263656 401459

Quantity PCS Wt LBS
 12 FT 1 80

MTR

3) Our Order PEC-790750- 3 Your PO # 28026
 Part # AMS 4027 Rel #

ALUMINUM SHEET 6061 T6
 .0400 Nom X 48.0000" X 144.0000"

Heat Number Tag No
 118542B0 401512

Quantity PCS Wt LBS
 192.00 SFT 4 108

MTR

4) Our Order PEC-790750- 4 Your PO # 28026
 Part # AMS 4027 Rel #

ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 144.0000"

Heat Number Tag No
 84320B1 401514

Quantity PCS Wt LBS
 96.00 SFT 2 108

MTR

Page: 1Continued

SP15-04-15

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 928929

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 13Apr15 at 14:32 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	4	8	351

ADD ON TO 789587 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 SKID, 2 BDLS GW. 488 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

ALUMINIUM - CAITON - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephone number : 0039 (0) 444968211

Cliente / Besteller/Purchaser/Cliant
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine production

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI14029356
Lieferungsgepäck/Packing list/B.L.

Ordine nr: 41343 STOCK CAROL STR
Bestell-/Your order/Commande

Certificato nr: MEST572123/2014/
Prüfung/Test/Essai

Conferma ordine nr: EI14008215
Werkstatt/Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Sigle de l'usine productrice

Punzone del Collaudatore:
Stempel des Werkstoffverständigen
Inspector's stamp/Pointon de l'essayeur



Stato di fornitura: Hot rolled Descaled Annealed Hot rolled
Lieferzustand/Delivery state/État de livraison

Tipo di Elaborazione: E-AOD
Erschmelzungsart/Making process/Mode de fabrication

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 304/304L A
AMS 5647 J S30403 A
ASME SA193 2013 B8 CLASS1 (1)
ASME SA479 2013 S30400/03 A (4)
ASTM A262 2013 PRACTICE E
ASTM A920 2011A B8 CLASS1
MIL-S-862 B/1 304/304L
QQ-S-763 F 304/304L A

AISI 304/304L
AMS-QQ-S-763 C 304/304L A
ASME SA276 2013 S30400/03 A (2)
ASTM A182-2012B S30400/03 A (5)
ASTM A276 2013A S30400/03 A
ASTM A479 2013A S30400/03 A
NACE MR0103 2010 S30400/03 A

AMS 5639 H S30400 A
ASME SA182 2013 S30400/03 A (0)
ASME SA320 2013 B8 CLASS1 (3)
ASTM A193 2011A B8 CLASS1
ASTM A314 2008 S30400/03
ASTM A479 2013A S30400/03 A
NACE MR0175 2009 S30400/03 A (7)

- (0) SECTION II PT.A 2013 EDITION
(1) SECTION II PT.A 2013 EDITION
(3) SECTION II PT.A 2013 EDITION
(5) For products machined directly from bar refer also
(6) Chemical analysis only.
(7) Technical circular 1:2011 Published 2011-06-14

- (0) For products machined directly from bar refer to ASME SA479.
(2) SECTION II PT.A 2013 EDITION
(4) SECTION II PT.A 2013 EDITION
(5) to ASTM A479.
(7) ANS/NACE MR0175/ISO 15156-3, second edition 2009-10-15

Qualità: 304/304L
Werksstoff/Grade/Numero

Marca: AISI
Markenbezeichnung
Marque

Tolleranza: ASTM A484-14 TABLE 5
Toleranz/Allowance/Tolerance

Punzonatura: 304/304L
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Description du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Paghi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0270	Flat	2,5000 x 0,5000	144 / 153	265275		6.801	418904330

TEST ON DELIVERY CONDITION Prüfung auf Lieferbareitem produkt test à l'état de livraison Prueba sobre el material así como entregado

TEST	Prova/Probato Specimen/Probed Längs dem Span Grain Diam. Thick Width Diam. Thickness Läng. diam. apert mm	°F	Poste Saggio Probes Exposition t)	Sneramento Resistencia Yield Stress Rp 0,2% k.s.l.	Sneramento Resistencia Yield Stress Rp 0,2% k.s.l.	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einschnürung Reduction of area Striction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min			30	-	75 115	- 40	- 50	-	140 235
A	12,5	68	L	47		91	52	70		190

TEST	min	max
A Grain size for ASTM E112		6

1) L=longitudinal/longs, T=transversal/quer, Q=Transversale/longitudinal

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max U,030	- 1,00	- 2,00	18,00 20,00	- 1,00	- 1,00	8,00 10,50	- 0,040	0,020 0,030	- 0,100	-	-	-	-
265275	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	N %				
	0,021	0,57	1,86	18,00	0,31	0,36	8,00	0,092	0,030	0,025	0,100			

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940 °F for 1 h/water.
Micro and macro etch test: OK
Reduction ratio > 4 : 1
Intergranular corrosion test per ASTM A262 pract. E: ok.
Absence of cracks at 20 x magnification after bend test.

Vicenza, 16/09/14 VCCQ008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkstoffverständiger / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794304

CstAr CstOr 266178

Wgt.: 55 LB Date 04/08/2015

John R. Zambetti

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephone number : 0039 (0) 444988211

Cliente / Baseline/Purchaser/Cliant
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine productrice

Stato di fornitura: Hot rolled Descaled Annealed Hot rolled
Lieferzustand/Delivery state/Etat de livraison

Material is DFARS Compliant

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI14029356
Lieferanzahlung/Pecking list/B.L.

Ordine nr: 41343 STOCK CAROL STR
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD
Erschmelzungsart/Melting process/Mode d'elaboration

Certificato nr: MEST572123/2014/
Prüfung/Test/Essai

Conferma ordine nr: E114008215
Works/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Sigle de l'usine productrice

Funzione del Collaudatore:
Stempel des Werkstoffverständigen
Inspector's stamp/Peignon de l'essayeur



Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été trouvé conforme aux exigences

Controllo antimiscelanza: OK
Verwechslungsprüfung spektroskopisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange fait: r.s.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Beachtung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, s. 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 16/09/14 VCC008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkstoffverständigen / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 2 di 2
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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794304

CstAr

CstOr 266178

Wgt.: 55 LB

Date 04/08/2015

John R. Zambetti

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clients / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine producer

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VI14015168
Lieferungs/packing list/B.L.

Certificato nr: MEST511782/2014/
Prüfung/Test/Essai

Conferma ordine nr: E114002087
Werkz/Bur Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine producteur



Stato di fornitura: Hot rolled Descaled Annealed Hot rolled
Lieferzustand/Delivery state/État de livraison

Tipo di Elaborazione: E+AOD
Erbschmelzungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Pointon de l'essayeur

Specifiche:
Anforderungen / Requirements / Exigences

VSI 0 304/304L A
AMS 5847 J S30403 A
ASME SA193 2010 B8 CLASS1 (1)
ASME SA479 2010 S30400/03 A (4)
ASTM A262 2010. PRACTICE E
ASTM A320 2011A B8 CLASS1
ASTM A479 2013A S30400/03 A
NACE MR0175 2009 S30400/03 A (7)

AISI 304/304L
AMS-QQ-S-763 B 304/304L A
ASME SA276 2010 S30400/03 A (2)
ASTM A182 2012B S30400/03 A (5)
ASTM A276 2013 S30400/03 A
ASTM A376 2012A
MIL-S-882 B/1 304/304L
QQ-S-763 F 304/304L A

AMS 5639 H S30400 A
ASME SA182 2010 S30400/03 A (0)
ASME SA320 2010 B8 CLASS1 (3)
ASTM A193 2011A B8 CLASS1
ASTM A314 2008 S30400/03
ASTM A473 2001 S30400/03 (6)
NACE MR0103 2010 S30400/03 A

- (0) SEC.II PT.A 2010 EDITION ADD. 2011a
(1) SEC.II PT.A 2010 EDITION ADD. 2011a
(2) SEC.II PT.A 2010 EDITION ADD. 2011a
(3) SEC.II PT.A 2010 EDITION ADD. 2011a
(4) For products machined directly from bar refer also
(5) Chemical analysis only.
(6) Technical circular 1:2011 Published 2011-06-14

- (0) For products machined directly from bar refer to ASME SA479.
(2) SEC.II PT.A 2010 EDITION ADD. 2011a
(4) SEC.II PT.A 2010 EDITION ADD. 2011a
(5) to ASTM A479.
(7) ANSI/NACE MR0175/ISO 15156-3, second edition 2009-10-15

Qualità: 304/304L
Werkstoff/Grade/Nuance

Marca: AISI
Markenzeichnung
Brand/nuance

Tolleranza: ASTM A484-11 TABLE 5
Toleranz/Allowance/Tolerance

Punzonatura: 304/304L
Kennzeichnung/Marking/Markings

Pos. nr. Pos. nr. N. de poste	Oggetto Objet Product description	Dimensioni - In Abmessungen Dimension	Lunghezza - In Länge Length	Colata Schmelze Heat	Pezzi Stücke Pieces	Peso - LB Gewicht Weight	Lotto nr. Lot nr. Lot nr.
0020	Flat	3,0000 x 0,6250	144 / 154	263656		5,869	330907030

TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf Lieferbareitem produkt test a l'état de livraison Prueba sobre el material así como entregado

TEST	Proveita/Probenda Specimen/Probenda Lap/Specimen Drift/Specimen Width/Specimen Long. diam. spec. mm	Temperatura °F	Posiz. Grippe Position Lap/Specimen	Snervamento Bruchgrenze Yield Stress Rp 0,2% K.S.L.	Snervamento Bruchgrenze Yield Stress Rp 0,2% K.S.L.	Resistenza Zugfestigkeit Tensile strength Rm K.S.L.	Alungamento Bruchdehnung Elongation A _g	Strizione Erweichung Reduction of area RA %	Resilienza Kerbschlagarbeit Impact Value Joules	Durezza Härte Hardness HB
	Valori richiesti 1 Anforderungen/Required values Valeurs requises	min max		30	-	75 115	- 40	- 50	-	140 235
A	12,5	68	L	47		91	54	69		185

TEST	min	max
A Grain size for ASTM E112		6

1) L=longitudinale/long, T=transversale/quer, Q=Tangenziale/tangential

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulee	min - max 0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	0,040	0,020 0,030	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	N %				
263656	0,025	0,38	1,88	18,45	0,50	0,41	8,24	0,098	0,032	0,024	0,083			

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Annealing temperature: 1940°F for 1 h/water.
Micro and macro etch test: OK
Intergranular corrosion test per ASTM A262 pract. E: ok.
Absence of cracks at 20 x magnification after bend test.

Vicenza, 06/05/14 VCOCCS (Mod. MCE2)	Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794298

CstAr

Wgt.: 80 LB

CstOr 266178

Date 04/08/2015

John L. Zambetti

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

39100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Besteller/Purchaser/Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Item/Usine productrice

Stato di fornitura: Hot rolled Descaled Annealed Hot rolled
Lieferzustand/Delivery state/Etat de livraison

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: spezialanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimeslange fait: s.s.

Certificato nr: MEST511782/2014/
Prüfung/Test/Essai

Conferma ordine nr: EI14002087
Werke/Our Order/Ref nr.

Marchio di Fabbrica:
Zeichen des Werksmarkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Pointon de l'essayeur



Controllo visivo e dimensionale: soddisfa le esigenze
Blickprüfung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check/satisfactory
Contrôle visuel et dimensionnel satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, a., 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 06/05/14

VCQ008
(Mod. MCE2)

Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L' agent d' usine

M. Rizzotto

Pagina - 2 di 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD

Del.: 2403794298

CstAr

CstOr 266178

Wgt.: 80 LB

Date 04/08/2015

John L. Zambetti

3

SHIP TO:

COPPER & BRASS SALES
905 CARLOW DRIVE
UNIT D
BOLINGBROOK, IL 60490

**KAISER
ALUMINUM**

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

SOLD TO:

COPPER & BRASS SALES
ATTN: ACCOUNTS PAYABLE
P.O. Box 5116
SOUTHFIELD, MI 48086

Serial Number

4361523

CUSTOMER PO NUMBER: 5400242191		WORK PACKAGE:		CUSTOMER PART NUMBER: ALFLR01644		SHIP RUN/LOAD: 103107/9		GOV'T CONTRACT NUMBER:	
KAISER ORDER NO: 1186773	LINE ITEM: 2	SHIP DATE: 22-JAN-2015	ALLOY: (6061)	CLAD: (BARE)	TEMPER: (T6)	PRODUCT DESCRIPTION: HT Flat Sheet			
WEIGHT SHIPPED: 3795 LB	QUANTITY: 146 PCS EST.	TRUCK B/L #: 2051975	GAUGE: (0.0400 IN) (1.0160 MM)		DIAMETER/WIDTH: (48.000 IN) (1219.2 MM)		LENGTH: (144.000 IN) (3657.6 MM)		

MHU 1857213: LOT 118542B0: 146 pieces;

Certified Specifications

AMS 4027/RevN
CMMP 019/RevD

ASME SB 209/Rev2010
CMMP 025/RevU

ASTM B 209/Rev14

Test Code: 1511

Test Results

Lot: (118542B0) Cast 202

Drop 33

Ingot 2

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper
(T6)

Dir / # Tests
LT / 2 (Min:Max)

Ultimate KSI (MPA)
46.6 : 46.7
(321 : 322)

Yield KSI (MPA)
40.4 : 40.9
(279 : 282)

Elongation %
11.5 : 11.9

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.71	0.5	0.35	0.07	1.0	0.19	0.10	0.02	0.01	0.00	TOT 0.04

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
(6061)												
MIN(wt%)	0.40	0.0	0.15	0.00	0.8	0.04	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794223

CstAr

CstOr 266178

Wgt.: 108.380 LB

Date 04/08/2015

John L. Zambetti

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4361523

TEST NOTES

6061 sheet or plate certified to AMS 4025, AMS 4026, or AMS
4027 also meets applicable requirements of AMS-QQ-A-250/11,
Rev. A.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:
* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
* has been thermally processed in compliance with AMS 2772, where applicable.
* is mercury free, within the limits of detection of ASTM E1251 (≤ 1 ppm).
* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1807/2006.
* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, LABORATORIES SUPERVISOR

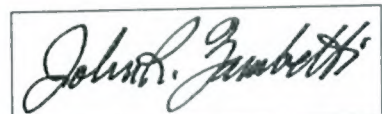
Page 2 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794223

CstAr CstOr 266178

Wgt.: 108.380 LB Date 04/08/2015



Alcoa Europe

European Mill Products
Alcoa Trasformazioni srl
Stabilimento di Fusina
Via dell' Elettronica 31
30176 Malcontenta
Loc. Fusina (Venezia)
Italia
Tel.: 39 041 2917111
Fax: 39 041 2917250



INSPECTION CERTIFICATE

CMI Midwest Transload Center
4201 W 36th Street
CHICAGO - IL
United States of America

EN 10204 3.1

Order number Alcoa 143845001
Date 22/12/14
Certificate number W14525058
Shipment doc.ref. 013492

Your order nr C6B 5400238449	Your alloy 6061	Your temper T5	Quantity 12105 Pounds	Your Art nr ALPLR01650
Global specification				
ALU SHEET 6061 T6 MS 4027 N Mill finish				
Dimensions T x W x L 0,0800 x 48,00 x 144,00 inches				
Remarks MATERIALE CON CARTA INTERPOSTA PRELEVARE LE PROVE IN ACCORDO ALLA ASTM B557 PIEGA 9 MM A 180° (SOLO ESEGUIRE) COLLAUDO TIPO TUV CERTIFICATO ASTM B209 (MS 4027N) <i>Imis-4-19</i>				

Chemical composition											6061	Others
Cast no	%Si	%Fe	%Cu	%Mn	%Mg	%Cr	%Ni	%Zn	%Ti	%Rack	Total	
04320B3	4755A	0,75	0,44	0,24	0,095	1,18	0,14	0,0076	0,058	0,019		
Min.		0,40		0,15		0,80	0,040					
Max.		0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,35	0,050	0,15	

Mechanical properties			
Coil nr:	Rm	Rp0.2	A50
Pallet	KSI	KSI	%
4755A	46	40	14
4755A	46	39	13
4755A	46	40	13
4755A	46	39	14
4755A	46	40	13
4755A	46	40	14
4755A	46	40	14
4755A	46	40	14
4755A	46	40	13
4755A	46	39	14
0918442			
0918447			
0918451			
Min.	42	35	10
Max.			

Alcoa Trasformazioni srl - Sede legale: 09010 Portofino (Carbonia-Iglesias) Zona Industriale Portofino - Società a socio unico sottoposta a direzione e coordinamento di Alcoa Inc.
Capitale sociale € 5.000.000 interamente versato - C.F., P.IVA e Registro Imprese Cagliari n° 02940570921 - R.E.A. C.C.I.A.A. Cagliari n° 213359
We hereby certify, that the material described above has been tested and complies with the terms of the confirmation of order.

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794225

CstAr CstOr 266178

Wgt.: 108.380 LB Date 04/08/2015

Alcoa Europe

European Mill Products
Alcoa Trasformazioni srl
Stabilimento di Fusina
Via dell'Elettronica 31
30176 Malcesine
Loc. Fusina (Venezia)
Italia
Tel.: 39 041 2817111
Fax: 39 041 2817260



INSPECTION CERTIFICATE

CMT Midwest Transload Center
4201 W 36th Street
CHICAGO - IL
United States of America

EN 10204 3.1

Ordernumber Alcoa	143845001
Date	22/12/14
Certificate number	W14525058
Shipment doc.ref.	013492

MILL finish

COUNTRY OF MELT AND MANUFACTURE ITALY
PRODUCT PRODUCED ACCORDING TO THE REQUIREMENTS OF AMS
4027 N, ALSO MEETS THE REQUIREMENT OF AMS-
QQA-250/11 ORIGINAL REVISION DATED 1997-08-01

Approved by
Roberto Signori
Test Laboratory Supervisor

Alcoa Trasformazioni srl - Sede legale: 00010 Portofino (Carbon e leghe) Zona Industriale Portofino - Società a socio unico sottoposta a direzione e controllo morale di Alcoa Inc.
Capitale sociale € 5.000.000 Interamente versato - C.F., P.IVA e Registro Imprese Ceglie in n° 02940570621 - R.F.A. C.C.I.A.A. Ceglie in n° 213336
We hereby certify, that the material described above has been tested and complies
with the terms of the confirmation of order.

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403794225

CstAr

CstOr 266178

Wgt.: 108.380 LB

Date 04/08/2015

COPPER AND BRASS SALES

MATERIAL TYPE

ALUMINIUM ALLOYS

PRODUCT DESIGNATION

1100 1350 3003 3004 3105 5005 5083 5086 5182 5454 6061 6063

"WARNING"

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSIONPOTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUMARE IN CONTACT WITH CERTAINMETAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION- PROOF VENTILATION. KEEP MATERIAL DRY.

INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOUSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN; AND SKIN,TEETH,AND HAIR DISCOLORATION. CHRONIC OVEREXPOUSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO TIN DUST OR IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOUSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.

THIS PRODUCT ALSO CONTAINS LEAD AND CHROMIUM COMPOUNDS.LEAD IS KNOWN TO CAUSE REPRODUCTIVE TOXICITY AND IS A KNOWN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUME MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF INTHE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65). IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.READ THE ALUMINUM/ALUMINUM ALLOYS MATERIAL SAFETY DATA SHEET(MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

The Occupational Safety and Health Administration require employers to provide training in the proper use of this product.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone248-233-5600, or visit our web site @ www.copperandbrass.com.

ALUMINUM LABEL NO.300-1088

ISSUED 10/01/2008



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO28026**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 2 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3	M303R0.750	303 Round Bar 0.750	4/15/2015	48.00	✓	\$3.51	\$168.48
			Yes	f			
			4/15/2015				

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$168.48

4	M304B0.500X2.500	304 BAR .500 x 2.50	4/15/2015	12.00	✓	\$18.06	\$216.75
			Yes	f			
			4/15/2015				

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

see e-mail from Chris P, A 479 acceptable
NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$216.75

5	M304B0.625X3.000	304 BAR .625 X 3.00	4/15/2015	12.00	✓	\$25.35	\$304.15
			Yes	f			
			4/15/2015				

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Spd 5-4-15

Note:

4/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO28026**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 6 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Currency

FOB

Chantal Lavoie

Net 30

CAD

FCA - (Free Carrier)

13	M6061T6S.040	6061-T6 .040 Sheet	4/17/2015 Yes 4/17/2015	192.00 sf	\$2.06	\$396.00
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MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$396.00

14	M6061T6S.080	6061-T6 .080 Sheet	4/17/2015 Yes 4/17/2015	144.00 sf	\$4.13	\$594.00
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MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Rec'd 96.00 SF

Line Total: \$594.00

15	M7075T6B1.250X1.000	7075-T6 Bar 1.250" X 1.000"	4/15/2015 Yes 4/15/2015	24.00 f	\$9.15	\$219.71
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MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Note:

4/6/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO28026**

Purchase Order Date 4/6/2015

PO Print Date 4/6/2015

Page Number 7 of 8

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$219.71

16	M7075T6B1.750X02.250	7075-T6 BAR 1.750" X 2.250"	4/15/2015	9.00	\$26.28	\$236.50
		Yes	4/15/2015	f		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$236.50

17	M7075T6B3.000x04.000	7075-T6 BAR 3.000' X 4.000" Grain along 3"	4/15/2015	4.00	\$81.56	\$326.24
		Yes	4/15/2015	f		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

*****NOTE: GRAIN DIRECTION ALONG 3" DIA.*****

Line Total: \$326.24

Note:

4/6/2015

895-4-13